

3 - 4 September, Iași, Romania

## MeCBIC 2008

2nd International Meeting on Membrane Computing and Biologically Inspired Process Calculi  
Organized by "A.I.Cuza" University, Faculty of Computer Science & Faculty of Mathematics,  
and Romanian Academy, Institute of Computer Science

### Program Committee

[Michele Bugliesi](#), Università Ca' Foscari, Venice, Italy

[Luca Cardelli](#), Microsoft Research, Cambridge, UK

[Matteo Cavaliere](#), CoSBI, Trento, Italy

[Gabriel Ciobanu \(chair\)](#), A.I.Cuza University, Romanian Academy, Iasi, Romania

[Mariangiola Dezani](#), Università di Torino, Italy

[Rudolf Freund](#), Vienna University of Technology, Austria

[Marian Gheorghe](#), University of Sheffield, UK

[Maciej Koutny](#), Newcastle University, UK

[Massimo Merro](#), University of Verona, Italy

[Gheorghe Paun](#), Romanian Academy, Bucharest, Romania

[Maria Grazia Vigliotti](#), Imperial College, London, UK

[Claudio Zandron](#), University of Milano-Bicocca, Italy

### Invited Speakers

[Gheorghe Paun](#), Romanian Academy, Bucharest, Romania

[Gianluigi Zavattaro](#), University of Bologna, Italy

### Organizers

[Gabriel Ciobanu](#), [Mihai Gontineac](#), [Bogdan Aman](#)

A.I.Cuza University and Romanian Academy, Iasi

### Publication

It is planned to publish selected (and additionally refereed) papers in a special issue of the Elsevier ENTCS series.

### Aims and Scope

Biological membranes play a fundamental role in the complex reactions which take place in cells of living organisms. The importance of this role has been considered in two different types of formalisms recently introduced. *Membrane systems* were introduced as a class of distributed parallel computing devices inspired by the observation that any biological system is a complex hierarchical structure, with a flow of materials and information that underlies their functioning. The modeling and the analysis of biological systems has also attracted the interest of the *process algebra* research community. In this setting, the notions have been explicitly represented in a family of calculi, such as *Ambients* and *Brane Calculi*. The main interest is in the systems biology area.

The main aim is to bring together researchers working in membrane computing and in biologically inspired process calculi (ambients, brane calculus, etc.) to present recent research works and to discuss new ideas concerning such formalisms, their properties and relationships.

We also celebrate 10 years of ambients and membrane systems.

This event is listed in the [Interesting Conferences and Workshops](#) and Computer Science Event List at [www.informatics-europe.org](http://www.informatics-europe.org)



### PROGRAMME

Wednesday, 3 September 2008

8:30 – 9:10	Registration
9:10 – 9:20	Opening
<b>SESSION 1</b>	<b>9:20 – 13:00</b>
9:20 – 10:30	Gianluigi Zavattaro (invited speaker)
10:30 – 11:15	Coffee break
11:15 – 11:50	Andrew Phillips
11:50 – 12:25	Filippo Del Tedesco and Carla Piazza
12:25 – 13:00	Federica Ciocchetta and Maria Luisa Guerriero
13:00 – 14:30	Lunch
<b>SESSION 2</b>	<b>14:30 – 16:15</b>
14:30 – 15:05	Chiara Bodei, Andrea Bracciali and Davide Chiarugi
15:05 – 15:40	Thomas Anung Basuki, Antonio Cerone and Paolo Milazzo
15:40 – 16:15	Bogdan Aman, Mariangiola Dezani and Angelo Troina
16:15 – 16:45	Coffee break

<b>SESSION 3</b>	<b>16:45 – 17:55</b>
16:45 – 17:20	Richard Banks, Victor Khomenko and Jason Steggle
17:20 – 17:55	Muskan Kukreja and Manish Kumar Gupta
19:00 - ...	Sightseeing and conference dinner

### Thursday, 4 September 2008

<b>SESSION 4</b>	<b>9:00 – 13:10</b>
9:00 – 10:10	Gheorghe Paun (invited speaker)
10:10 – 10:40	Coffee break
10:40 – 11:15	Florentin Ipate and Marian Gheorghe
11:15 – 11:50	Tommaso Mazza and Matteo Cavaliere
11:50 – 12:25	G. Michele Pinna and Andrea Saba
12:25 – 13:00	Roberto Barbuti, Andrea Maggiolo Schettini, Paolo Milazzo and Luca Tesei
13:00 – 15:00	Lunch
15:00 – ...	MeCBIC meeting (discussion on the 3-rd MeCBIC)
17:00 – ...	A visit to the botanical garden

The event will take place in the "MEDIAEC" conference room, located at the first floor in the University's main building